

International Space Station Environmental Control and Life Support System Status: 2010 - 2011

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The International Space Station (ISS) Environmental Control and Life Support (ECLS) system includes regenerative and non-regenerative technologies that provide the basic life support functions to support the crew, while maintaining a safe and habitable shirtsleeve environment. This paper provides a summary of the U.S. ECLS system activities over the past year, covering the period of time between March 2010 and February 2011 and the continued permanent presence of six crew members on ISS. Work continues on the last of the Phase 3 pressurized elements, commercial cargo resupply vehicles, and extension of the ISS service life from 2015 to 2020 or beyond.

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